

Abstract

A battery pack device with circuits for supporting additional functions such as a Karaoke function, a disease  
5 diagnosing function, and a skin beauty care function, and adapted to be detachably coupled to a mobile communication terminal, so as to perform the additional functions through the mobile communication terminal. The mobile communication terminal including the battery pack device is also disclosed.

10 The battery pack device includes battery cells for supplying DC power to a body of the mobile communication terminal via power supply terminals, an additional circuit unit for providing additional functions to the terminal body, and a control unit for controlling an operation of the additional  
15 circuit unit while performing data transmission and reception with respect to an external device. The control unit includes an additional function processor for controlling the additional circuit unit, and a communication unit for performing data transmission and reception with respect to the  
20 terminal body.